

## **ABSTRACT OF THE DISCLOSURE**

A memory management method that has the steps of assigning pointers to free memory locations and linking the pointers to one another creating a linked list of free memory locations having a beginning and an end. A free head pointer is assigned to a memory location indicating the beginning of free memory locations and a free tail pointer is assigned to a memory location indicating the end of free memory locations. An initial data pointer is assigned to the memory location assigned to the free head pointer and an end of data pointer is assigned to a last data memory location. The free head pointer is assigned to a next memory location linked to the last data memory location assigned to the end of data pointer. The next memory location indicates the beginning of free memory locations.